

REMARKS

In response to the comments in the Office Action, the applicant has amended claim 1 to incorporate the features of claim 6 and correspondingly canceled claim 6, without prejudice. Further, the applicant has amended claims 1 and 3 to correct certain informalities and address rejections based on alleged non-statutory subject matter. Applicant has further amended claim 7 to change its dependency, and canceled claims 10-15 without prejudice. The amendments are based on the original disclosure and do not go beyond the scope of the originally filed documents. No new matter is introduced.

Claim Objections

The applicant has amended the limitations “the midamble code” and “the spread spectrum code” in claim 1 to be “a midamble code” and “a spread spectrum code”, respectively.

Claim Rejections – 35 U.S.C. § 101

Claims 1-15 have been rejected under 35 U.S.C. § 101 for lack of patentable subject matter. Claims 7 and 10-15 have been canceled, render the rejection with respect to those claims moot. Applicant has amended claims 1 and 3 to clarify that the method is performed by the receiving device in the time-slot CDMA system using orthogonal code. The applicant respectfully submits that such amendments overcome the rejection raised by the Examiner.

Claim Rejection – 35 U.S.C. § 102

Claims 1 and 2 have been rejected under 35 U.S.C. § 102(e) as anticipated by Sourour (6,865,218). As mentioned above, the applicant has amended claim 1 to incorporate the features of claim 6. The additional technical features of claim 6 are not disclosed by Sourour. Claim 1, as amended, is therefore not anticipated by Sourour.

Additionally, the amended claim 1 provides a method for detecting orthogonal code CDMA signal, which takes full advantage of the characteristic of orthogonal codes to detect orthogonal code CDMA signal, so as to implement matched filtering method (refer to claim 2) or joint detection method (refer to claim 3) in a simple and improved manner, and which can improve performance of a mobile communication system at a lower price. Therefore, the amended claim 1 is also non-obvious over Sourour.

For at least these reasons, Applicant respectfully requests the withdrawal of the rejection of claim 1, as well as dependent claim 2, under 35 U.S.C. § 102(e) as anticipated by Sourour.

SUMMARY

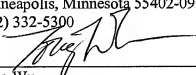
Reconsideration of the application and issuance of a Notice of Allowance are respectfully requested. If the Examiner believes a telephone conference would advance the prosecution of this application, the Examiner is invited to telephone the undersigned attorney.



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Respectfully submitted,

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